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SOLID DESICCANT HAVING DEODORIZING FUNCTION AND ITS PRODUCTION

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Abstract

PURPOSE: To produce the title desiccant capable of dehumidifying and deodorizing at the same time by kneading powdery zeolite and calcium chloride with an appropriate amt. of water, adding the bentonite consisting of colloidal clay to the kneaded material, kneading the mixture, and forming the kneaded mixture.

CONSTITUTION: From 1 to 60 pts.wt. of the calcium chloride 3 having dehumidifying action and 100 pts.wt. of the powdery or granular zeolite 1 having dehumidifying and deodorizing action are kneaded with 5-50 pts.wt. of water, and 5-100 pts.wt. of the bentonite 2 consisting of colloidal clay is added to the kneaded material. The materials are kneaded to obtain a kneaded mixture, which is compression-molded into an optional shape. The dehumidifying and deodorizing actions are simultaneously performed by the obtained solid desiccant, and the end of dehumidification is accurately recognized.

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